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## **Concrete Redesign Lab**

Today you are to improve upon your first brick. Have fun!

## Pre-questions.

- 1. What did you learn from your experiment or a peer's during the first design round?
- 2. What are some ideas that you wish to test? Provide some sketches on the back of this sheet.
- 3. What do you have to record while making your brick?
- 4. What is your engineering design challenge?
- 5. What is a composite?
- 6. What are the four categories of materials as defined in materials science?
- 7. Based on the above questions, what are the ideal physical and chemical properties that you want your concrete block to have?

Name	Date	Class
Materials: Refer to the Making Concret		
	to the Making Concrete Blocks wo (recording masses, volumes, etc.)	
Material Added	Mass or Volume (if a liquid	
(cement, water, etc.)	Widss of Volume (if a figure	<i>A j</i>
SUBSTANCE	TOTAL MASS	
TOTAL MASS OF BRICK:		
Find the percent composition of your sa	ample.	
Material	Percent Composition	

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